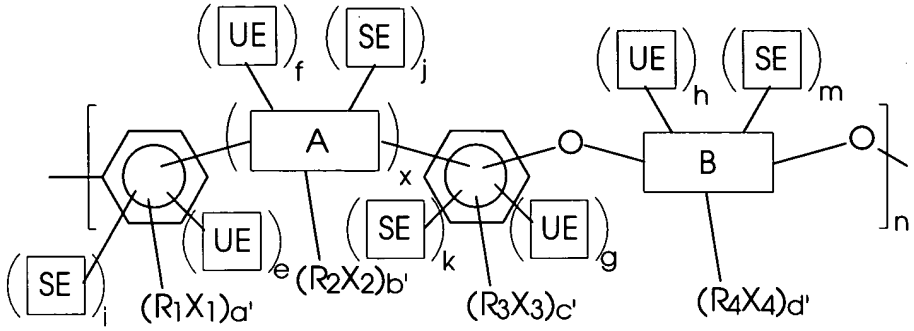
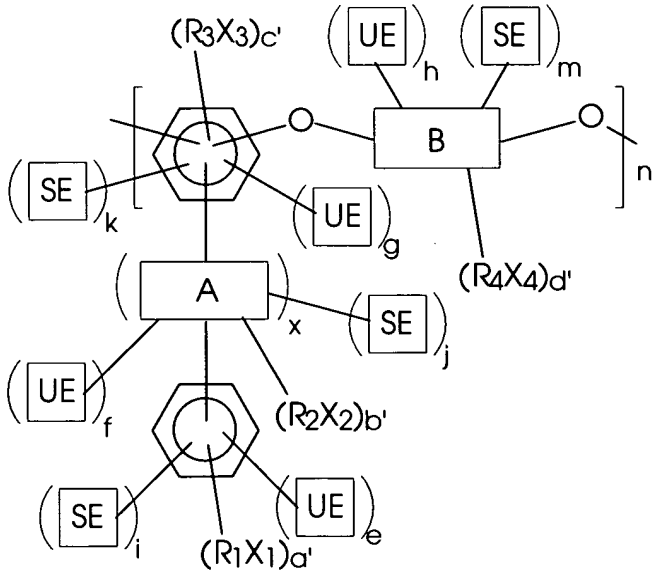
ABSTRACT OF THE DISCLOSURE

Polymers of the formula



or



wherein x is 0 or 1, R_{1-4} are alkyl, aryl, arylalkyl, or alkylaryl groups, X_{1-4} are halogens, a', b', c', and d' are 0-4, UE is an unsaturated ester group, e, f, g, and h are 0-4, at least one of e, f, g, and h is ≥ 1 in at least some monomers, SE is a saturated ester group, i, j, k, and m are 0-4, at least

one of i, j, k, and m is ≥ 1 in at least some monomers, $a'+e+i \leq 4$, $b'+f+j \leq 4$, $c'+g+k \leq 4$, $d'+h+m \leq 4$, RX represents the total number of haloalkyl groups in the polymer, the ratio of UE groups to SE groups to RX groups in the polymer is

$$\upsilon\varepsilon:\sigma\varepsilon:\rho\chi$$

wherein $\upsilon\varepsilon$ is from about 1 to about 99.99, wherein $\sigma\varepsilon$ is from about 0.01 to about 99, wherein $\rho\chi$ is from 0 to about 50, and wherein $\upsilon\varepsilon+\sigma\varepsilon+\rho\chi=100$.